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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/836,325 | 04/18/2001 | Takeo Ohishi | 0102/0162 | 8306 |

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| EXAMINER | |
|---|---|
| NOBAHAR, ABDULHAKIM | |
| **ART UNIT** | **PAPER NUMBER** |
| 2132 | |

DATE MAILED: 03/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| Office Action Summary | Application No. | Applicant(s) | |
|---|---|---|---|
| | 09/836,325 | OHISHI, TAKEO | |
| | Examiner | Art Unit | |
| | Abdulhakim Nobahar | 2132 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4)☒ Claim(s) 1-32 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-32 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

**Application Papers**

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 01/21/05.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

GRJ

**Claims 1-32 are ~~1 and~~ rejected under 35 U.S.C. 102(b) as being anticipated by Traw et al (5,949,877).**

Regarding claim 1, Traw discloses a method of authentication (col. 1, lines 40-60), comprising the steps of:

a) sending first information from a contents-information receiver apparatus to a contents-information sender apparatus, the first information including a combination of certificate information and second information for the contents-information receiver apparatus, the first information further including a signal of a signature for the combination of the certificate information and the second information (col. 7, lines 37-65, where device B and device A correspond to the recited content-information receiver and sender, respectively; where the signed message and the random challenge correspond to the recited first information and the second information, respectively);

b) in the contents-information sender apparatus, determining whether the combination of the certificate information and the second information in the first information is correct or wrong in response to the signal of the signature in the first information (col. 7, lines 44-65);

c) in the contents-information sender apparatus, extracting the second information from the first information and storing the extracted second information (col. 7, lines 44-65);

d) sending the second information for the contents-information receiver apparatus from the contents-information receiver apparatus to the contents-information sender apparatus (col. 7, lines 44-65); and

e) in the contents-information sender apparatus, collating the second information sent by the step d) with the second information stored by the step c) (col. 7, lines 44-65).

Regarding claim 2, Traw discloses a method as recited in claim 1, wherein the certificate information contains information of a reliability of the contents-information receiver apparatus (col. 6, lines 1-45).

Regarding claim 3, Traw discloses a contents-information sender apparatus comprising:

first means for receiving first information from a contents-information receiver apparatus, the first information including a combination of certificate information and second information for the contents-information receiver

apparatus, the first information further including a signal of a signature for the combination of the certificate information and the second information (col. 7, lines 37-65);

second means for determining whether the combination of the certificate information and the second information in the first information received by the first means is correct or wrong in response to the signal of the signature in the first information (col. 7, lines 44-65);

third means for extracting the second information from the first information received by the first means and storing the extracted second information (col. 7, lines 44-65);

fourth means for receiving the second information for the contents-information receiver apparatus from the contents-information receiver apparatus; and fifth means for collating the second information received by the fourth means with the second information stored by the third means (col. 7, lines 44-65).

Regarding claim 4, Traw discloses a contents-information sender apparatus as recited in claim 3, wherein the certificate information contains information of a reliability of the contents-information receiver apparatus (col. 6, lines 1-45).

Regarding claim 5, Traw discloses a contents-information receiver apparatus comprising: first means for sending first information to a contents-

information sender apparatus, the first information including a combination of certificate information and second information for the contents-information receiver apparatus, the first information further including a signal of a signature for the combination of the certificate information and the second information (col. 7, lines 37-65, where device B and device A correspond to the recited contents-information receiver and sender, respectively; where the signed message and the random challenge correspond to the recited first information and the second information, respectively);

and second means for sending the second information for the contents-information receiver apparatus to the contents-information sender apparatus (col. 7, lines 37-65).

Regarding claim 6, Traw discloses a contents-information receiver apparatus as recited in claim 5, wherein the certificate information contains information of a reliability of the contents-information receiver apparatus (col. 6, lines 1-45).

Regarding claim 7, Traw discloses an authentication system including a contents-information sender apparatus and a contents-information receiver apparatus (col. 1, lines 40-55, where content sink and content source correspond to the recited content-information sender apparatus and the contents-information receiver apparatus, respectively) the authentication system comprising:

first means for sending first information from the contents-information receiver apparatus to the contents-information sender apparatus, the first information including a combination of certificate information and second information for the contents-information receiver apparatus, the first information further including a signal of a signature for the combination of the certificate information and the second information (col. 7, lines 37-65);

second means provided in the contents-information sender apparatus for determining whether the combination of the certificate information and the second information in the first information sent by the first means is correct or wrong in response to the signal of the signature in the first information (col. 7, lines 44-65);

third means provided in the contents-information sender apparatus for extracting the second information from the first information sent by the first means and storing the extracted second information (col. 7, lines 44-65);

fourth means for sending the second information for the contents-information receiver apparatus from the contents-information receiver apparatus to the contents-information sender apparatus (col. 7, lines 44-65); and

fifth means provided in the contents-information sender apparatus for collating the second information sent by the fourth means with the second information stored by the third means (col. 7, lines 44-65).

Regarding claim 8, Traw discloses an authentication system as recited in claim 7, wherein the certificate information contains information of a reliability of the contents-information receiver apparatus (col. 6, lines 1-45).

Regarding claim 9, Traw discloses a method as recited in claim 1, wherein the certificate information contains a signal of a public key being a mate to a secret key for generating the signal of the signature from the combination of the certificate information and the second information (col. 2, lines 51-60; col. 6, lines 1-45).

Regarding claim 10, Traw discloses a method as recited in claim 1, wherein the certificate information contains information related to a copyright on contents (col. 1, lines 17-29; col. 4, lines 3-11).

Regarding claim 11, Traw discloses a method as recited in claim 1, wherein the certificate information contains public information given only to licensees (col. 2, lines 51-60; col. 6, lines 1-45).

Regarding claim 12, Traw discloses a method as recited in claim 1, wherein the certificate information contains a signal of a public key peculiar to the contents-information receiver apparatus (col. 6, lines 1-45).

Regarding claim 13, Traw discloses a method as recited in claim 1, wherein the certificate information is given to the contents-information receiver apparatus by a management organ (col. 2, lines 51-60; col. 5, lines 25-35, where the License authority corresponds to the recited management organ).

Regarding claim 14, Traw discloses a method as recited in claim 1, further comprising the step of, after the step e), exchanging a signal of a first key and a signal of a second key between the contents-information sender apparatus and the contents-information receiver apparatus (col. 3, lines 45-57, col. 7, lines 59-65).

Regarding claim 15, Traw discloses a contents-information sender apparatus as recited in claim 3, wherein the certificate information contains a signal of a public key being a mate to a secret key for generating the signal of the signature from the combination of the certificate information and the second information (col. 2, lines 51-60; col. 6, lines 1-45).

Regarding claim 16, Traw discloses a contents-information sender apparatus as recited in claim 3, wherein the certificate information contains information related to a copyright on contents (col. 1, lines 17-29; col. 4, lines 3-11).

Regarding claim 17, Traw discloses a contents-information sender apparatus as recited in claim 3, wherein the certificate information contains public information given only to licensees (col. 2, lines 51-60; col. 6, lines 1-45).

Regarding claim 18, Traw discloses a contents-information sender apparatus as recited in claim 3, wherein the certificate information contains a signal of a public key peculiar to the contents-information receiver apparatus (col. 6, lines 1-45).

Regarding claim 19, Traw discloses a contents-information sender apparatus as recited in claim 3, wherein the certificate information is given to the contents-information receiver apparatus by a management organ (col. 2, lines 51-60; col. 5, lines 25-35, where the License authority corresponds to the recited management organ).

Regarding claim 20, Traw discloses a contents-information sender apparatus as recited in claim 3, further comprising sixth means for, after the collating by the fifth means, exchanging a signal of a first key and a signal of a second key with the contents-information receiver apparatus (col. 3, lines 45-57, col. 7, lines 59-65).

Regarding claim 21, Traw discloses a contents-information receiver apparatus as recited in claim 5, wherein the certificate information contains a

signal of a public key being a mate to a secret key for generating the signal of the signature from the combination of the certificate information and the second in formation (col. 2, lines 51-60; col. 6, lines 1-45).

Regarding claim 22, Traw discloses a contents-information receiver apparatus as recited in claim 5, wherein the certificate information contains information related to a copyright on contents (col. 1, lines 17-29; col. 4, lines 3-11).

Regarding claim 23, Traw discloses a contents-information receiver apparatus as recited in claim 5, wherein the certificate information contains public information given only to licensees (col. 2, lines 51-60; col. 6, lines 1-45).

Regarding claim 24, Traw discloses a contents-information receiver apparatus as recited in claim 5, wherein the certificate information contains a signal of a public key peculiar to the contents-information receiver apparatus (col. 6, lines 1-45).

Regarding claim 25, Traw discloses a contents-information receiver apparatus as recited in claim 5, wherein the certificate information is given to the contents-information receiver apparatus by a management organ organ (col. 2, lines 51-60; col. 5, lines 25-35, where the License authority corresponds to the recited management organ).

Regarding claim 26, Traw discloses a contents-information receiver apparatus as recited in claim 5, further comprising third means for exchanging a signal of a first key and a signal of a second key with the contents-information sender apparatus after second-information collation is done by the contents-information sender apparatus (col. 3, lines 45-57, col. 7, lines 59-65).

Regarding claim 27, Traw discloses an authentication system as recited in claim 7, wherein the certificate information contains a signal of a public key being a mate to a secret key for generating the signal of the signature from the combination of the certificate information and the second information (col. 2, lines 51-60; col. 6, lines 1-45).

Regarding claim 28, Traw discloses an authentication system as recited in claim 7, wherein the certificate information contains information related to a copyright on contents (col. 1, lines 17-29; col. 4, lines 3-11).

Regarding claim 29, Traw discloses an authentication system as recited in claim 7, wherein the certificate information contains public information given only to licensees (col. 2, lines 51-60; col. 6, lines 1-45).

Regarding claim 30, Traw discloses an authentication system as recited in claim 7, wherein the certificate information contains a signal of a public key peculiar to the contents-information receiver apparatus (col. 6, lines 1-45).

Regarding claim 31, Traw discloses an authentication system as recited in claim 7, wherein the certificate information is given to the contents-information receiver apparatus by a management organ (col. 2, lines 51-60; col. 5, lines 25-35, where the License authority corresponds to the recited management organ).

Regarding claim 32, Traw discloses an authentication system as recited in claim 7, further comprising sixth means for, after the collating by the fifth means, exchanging a signal of a first key and a signal of a second key between the contents-information sender apparatus and the contents-information receiver apparatus (col. 3, lines 45-57, col. 7, lines 59-65).

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent No. 6,542,610 B2 to Traw et al.

US Patent No. 6,671,803 B1 to Pasieka.

US Patent No. 5,613,004 to Cooperman et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdulhakim Nobahar whose telephone number is 571-272-3808. The examiner can normally be reached on M-T 8-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The

fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abdulhakim Nobahar
Examiner
Art Unit 2132

AN A.M.

March 7, 2005

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